

PATENT COOPERATION TREATY

PCT

103121

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>10003121W001</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/JP2005/000811</b>	International filing date (day/month/year) <b>18/01/2005</b>	(Earliest) Priority Date (day/month/year) <b>23/01/2004</b>
Applicant <b>CANON KABUSHIKI KAISHA</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 2

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2005/000811

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01N33/543 G01N33/52

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/07653 A (THE REGENTS OF THE UNIVERSITY OF CALIFORNIA) 1 February 2001 (2001-02-01) page 2, line 20 – page 4, line 21 page 5, line 25 – line 27 page 8, line 4 – line 10 page 10, line 18 – page 15, line 16 page 17, line 24 – page 18, line 13 page 24, line 2 – page 25, line 15 page 26, line 13 – line 26 page 35, line 14 – page 39, line 14 claims 1,12	1-6
Y	page 2, line 20 – page 4, line 21 page 5, line 25 – line 27 page 8, line 4 – line 10 page 10, line 18 – page 15, line 16 page 17, line 24 – page 18, line 13 page 24, line 2 – page 25, line 15 page 26, line 13 – line 26 page 35, line 14 – page 39, line 14 claims 1,12	7-11

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

18 July 2005

Date of mailing of the international search report

29/07/2005

Name and mailing address of the ISA

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Sitch, W

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2005/000811

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99/17119 A (UNIVERSITY OF WASHINGTON) 8 April 1999 (1999-04-08) page 2, line 2 - page 3, line 16 page 5, lines 19,20 page 6, line 7 page 7, line 13 - page 9, line 13 page 12, line 26 - page 13, line 16 page 19 - page 20; examples 1,2 figures 1,10 -----	7-11
Y	ROSSIER J S ET AL: "ENZYME LINKED IMMUNOSORBENT ASSAY ON A MICROCHIP WITH ELECTROCHEMICAL DETECTION" LAB ON A CHIP, ROYAL SOCIETY OF CHEMISTRY, CAMBRIDGE, GB, vol. 1, no. 2, December 2001 (2001-12), pages 153-157, XP009030699 ISSN: 1473-0197 page 154, left-hand column, paragraph 1 - right-hand column, paragraph 3; figure 1 -----	7-11
A	SATO K ET AL: "Integration of chemical and biochemical analysis systems into a glass microchip" ANALYTICAL SCIENCES, JAPAN SOCIETY FOR ANALYTICAL CHEMISTRY, TOKYO, JP, vol. 19, no. 1, January 2003 (2003-01), pages 15-22, XP002980276 ISSN: 0910-6340 page 17; figure 4 -----	
A	KIKUTANI ET AL: "INTEGRATED CHEMICAL SYSTEMS ON MICROCHIPS FOR ANALYSIS AND ASSAY. POTENTIAL FUTURE, MOBILE HIGH-PERFORMANCE DETECTION SYSTEM FOR CHEMICAL WEAPONS" PURE APPL. CHEM., vol. 74, no. 12, 2002, pages 2299-2309, XP002336462 page 2302; figure 3 page 2303; figure 5 page 2306; figure 8 -----	
A	MAO H ET AL: "Design and characterization of immobilized enzymes in microfluidic systems" ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, COLUMBUS, US, vol. 74, no. 2, 15 January 2002 (2002-01-15), pages 379-385, XP002293093 ISSN: 0003-2700 page 384; figure 7 page 383; figure 5 -----	5
		-/-

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International Application No

PCT/JP2005/000811

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>KOJIMA K ET AL: "ELECTROCHEMICAL PROTEIN CHIP WITH ARRAYED IMMUNOSENSORS WITH ANTIBODIES IMMOBILIZED IN A PLASMA-POLYMERIZED FILMS" ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, COLUMBUS, US, vol. 75, no. 5, 1 March 2003 (2003-03-01), pages 1116-1122, XP001170271 ISSN: 0003-2700 cited in the application page 1116, paragraph 2 - page 1119, paragraph 1 -----</p>	5

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/JP2005/000811

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 0107653	A 01-02-2001	US	6294392 B1	25-09-2001
		AU	780575 B2	07-04-2005
		AU	6107900 A	13-02-2001
		CA	2375606 A1	01-02-2001
		EP	1196636 A1	17-04-2002
		JP	2004500549 T	08-01-2004
		WO	0107653 A1	01-02-2001
		US	2002076714 A1	20-06-2002
WO 9917119	A 08-04-1999	EP	1018012 A1	12-07-2000
		JP	2001518624 T	16-10-2001
		WO	9917119 A1	08-04-1999
		US	6221677 B1	24-04-2001
		US	6297061 B1	02-10-2001
		US	2002006670 A1	17-01-2002